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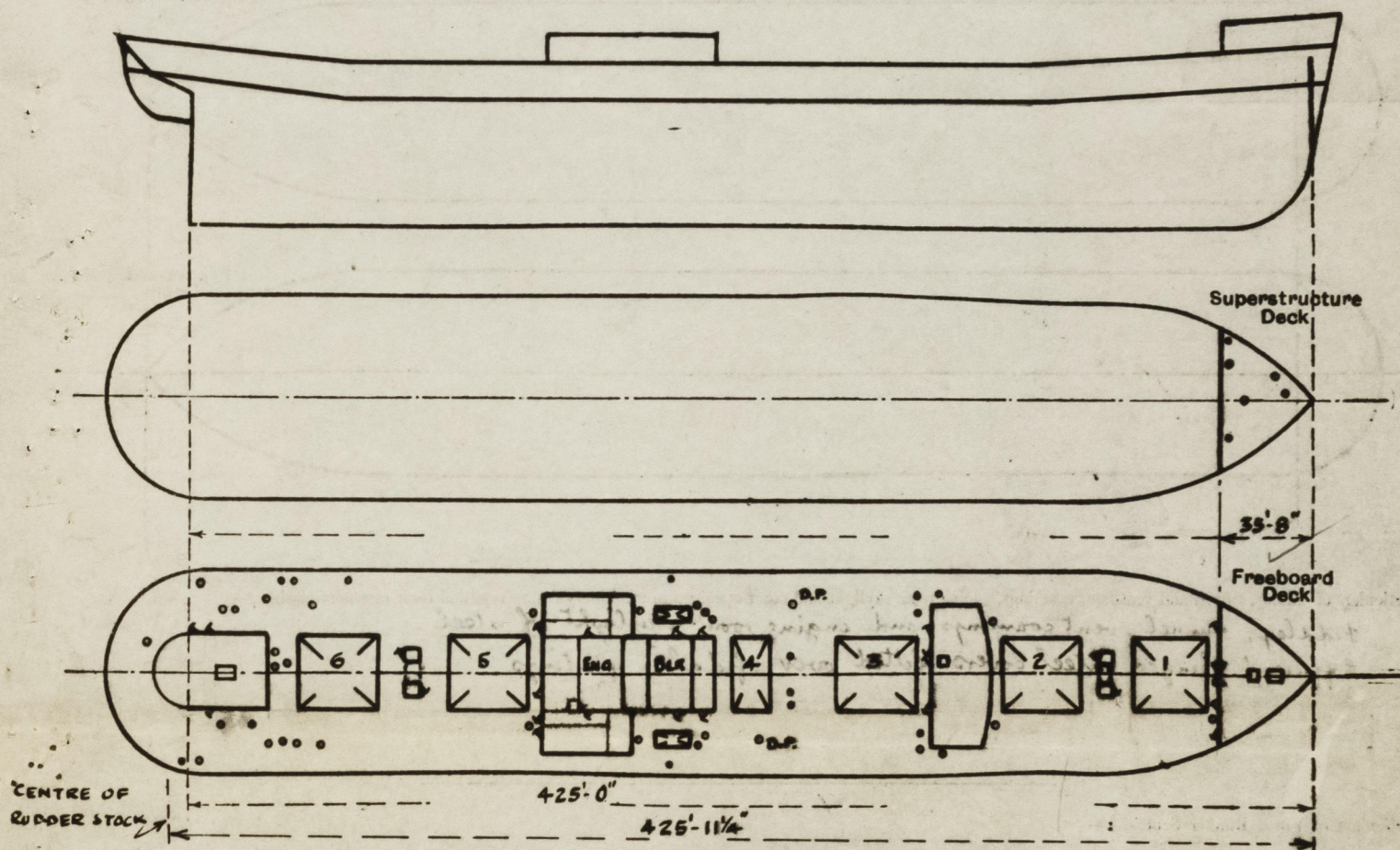
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name **EMPIRE CENTAUR** Port of Survey **WEST HARTLEPOOL**
 Official Number *Not recorded 68946* Surveyor's Signature *E. Lee.*
 Nationality and Port of Registry **BRITISH. WEST HARTLEPOOL** Date of Survey *Aug. 1942*

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:--



Particulars of Superstructures, Trunks, Casings, Deckhouses.

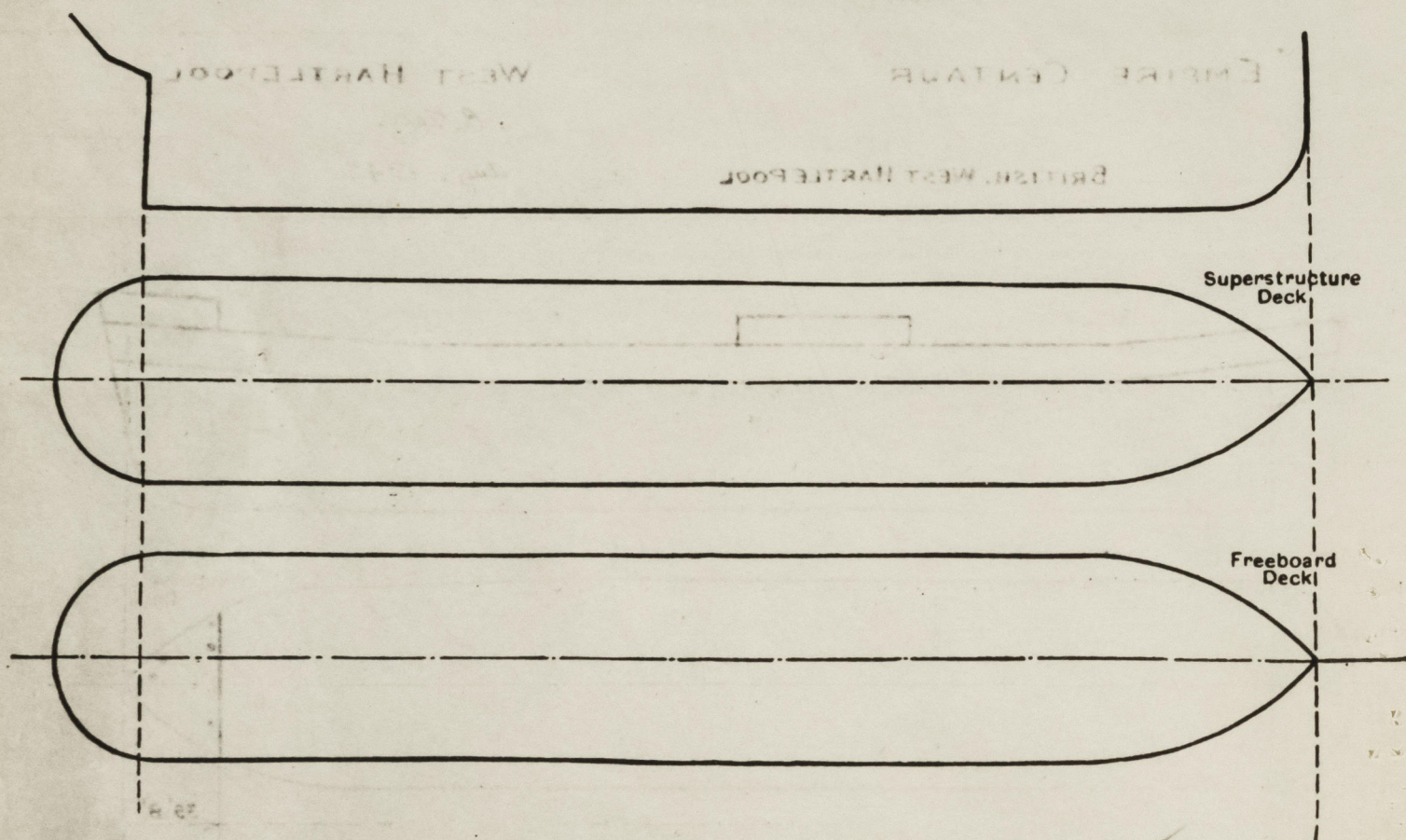
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...				✓				
Raised Quarter Deck Bulkhead ...				✓				
Bridge, After Bulkhead ...				✓				
Bridge, Forward Bulkhead ...				✓				
Forecastle Bulkhead ...	30	30	4" x 3" x 1/8"	30"	NONE	1 at 5'-1" x 4'-1" 3 at 5'-1" x 2'-4"	12"	6'-9"
Trunk, Aft ...				✓				
Trunk, Forward ...				✓				
Exposed Machinery Casings on Freeboard ...	35	30	8 x 8 x 10 L 2 1/2 x 3 x 10	31"	445 at top	2 at 4'-6" x 2'-4"	23"	7'-9"
Exposed Machinery Casings on Superstructure Decks ...				✓				
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...				✓				
SALON DECKHOUSES on Flush Deck Ships	34 25	30 25	8 x 8 x 16 1 x 3 x 15	47 A 24 45 to 30	645 at top 645 at top	2 at 4'-6" x 1'-10" 1 at 4'-5" x 4'-0"	24"	7'-6"

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	Hook bolted plate & hinged steel doors operated from both sides. ✓
Exposed Machinery Casings on Freeboard ...	Steel hinged doors operated from both sides. ✓
Exposed Machinery Casings on Superstructure Decks ...	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓
Deckhouses on Flush Deck Ships ...	Steel hinged doors operated from both sides. ✓

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, ventilators, companionways, etc., which would affect the seaworthiness of the ship:—



Particulars of fiddley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Fiddley, funnel, vent coamings and engine room skylight of steel.
Efficient hinged steel covers fitted over fiddley gratings.

Particulars of Flush Bunker Scuttles:—

None.

Particulars of Companionways:—

Companionway incorporated in deckhouse leading to crew space aft.
2-17/8" solid hinged wood doors operated from both sides sills 24".

Companionways in mast deckhouses leading to holds & tween decks.
Hinged steel doors 4-3/4" x 7-4" x 40 supported from both sides. Sills 24".

Companionway in saloon house to starboard stair in tween decks. Hinged steel doors 4-3/4" x 4-0" operated from both sides, sill 24", giving access to hatch with 2 1/2" covers & 2 1/2" coaming. Locking bar fitted.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

Forecastle:
1-18" vent to stove. 36" x 32
2-8" " " " 36" x 30
1-25" " " " 36" x 30
1-15" " " " 36" x 40
1-6" G.M.V. " 18" high
1-15" vent to No. 1. Tween dk. & hold 7-4" x 40 supported.
4-36" " " " 36" x 40
of mast house
2-15" vents to No 2 Tween deck & hold 7-6" x 40 supported.
1-15" " " " 36" x 36
1-15" " " " 36" x 36
4-12" " " " 36" x 34
3-14 1/2" " " " 36" x 36
2-27" derrick hot vents efficiently constructed
1-14 1/2" vent to cross bunker 36" x 36

2-6" vents to cross bunker 36" x 30
2-12" vents to No 4 tween deck 7-6" x 34 supported.
2-12" " " " 36" x 34
2-6" G.M.V. to rocket tankers 18" high
2-15" vents to No. 5 Tween dk. & hold 8-0" x 40 supported.
1-12" " " " 36" x 34
3-6" G.M.V. to accommodation 18" high
7-6" vents to " 36" x 30
1-8" " " 36" x 32
1-15" " " No 6 Tween dk & hold 36" x 40
1-12" " " accommodation 36" x 34
1-14" " " No 6 hold 36" x 36
2-10" " " accommodation 36" x 32
1-6" G.M.V. to steering gear 18" high
1-15" vent to " & stove 36" x 36
closing appliances supplied.

Particulars of Air Pipes in exposed positions on freeboard, mainmast, or superstructure decks:—

Forecastle:
1-4" Air Pipe to F.P. Tank. 18" high.
1-2 1/2" " " " No. 1. D.B. Tank. 18" "
Freeboard:
2-2 1/2" Air Pipes to " " 30" "
2-4" " " " " 30" "
2-3" " " " " 30" "
2-4" " " " " 30" "
2-3" " " " " 30" "
2-4" " " " " 30" "
2-3" " " " " 30" "
2-3" " " " " 30" "

2-2 1/2" air pipes to dry tank 30" high
2-3" " " " No 5 D.B. tank 30" high.
2-5" " " " E.R. deck tanks 30" "
2-3" " " " No 6 D.B. tanks 30" "
2-4" " " " " 30" "
2-2 1/2" " " " No 7 " 30" "
1-4" " " " A.P. tank 30" "
1-3" " " " " 30" "
closing appliances supplied.

Particulars of Gangway Cargo and Coaling Ports:—

None.

Particulars of Scuppers and Sanitary Discharge Pipes:—

Scuppers, washbasin & bath wastes from deckhouses above freeboard deck, lead overboard above 2nd deck without stormvalves at ship's side.
Scupper from forecabin space, port side, leads overboard above 2nd deck with M.C.I. stormvalve at ship's side.
Scuppers from workplace in tween decks aft, lead overboard above 2nd deck with brass stormvalve at ship's side controlled from above freeboard deck.
Soil discharges from deckhouses above freeboard deck, lead overboard above 2nd deck with M.C.I. or brass stormvalves at ship's side.
Soil discharge from crew's lavatory on 2nd deck aft leads overboard above 2nd deck with brass stormvalve at ship's side controlled from above freeboard deck.
Scuppers from 2nd deck clear of crew space aft, lead down into bilges.

Particulars of Side Scuttles:—

Side scuttles with efficient deadlights fitted in tween decks aft.

Vertical distance of Sill of lowest Side Scuttle above top of keel

34'-6"

Particulars of Guard Rails:—

Forecastle deck: 2 tier rails 3'-3" high with stanchions spaced about 4'-9" apart.
Freeboard deck: Forward of saloon house - 3 tier rails 3'-9" high with stanchions spaced about 5'-0" apart.
Aft of saloon house & aft end engineers deckhouse - bulwark 3'-6" high with 3 freeing ports 7'-0" x 9" - 9" above deck edge
Aft of engineers deckhouse. 3 tier rails 3'-9" high with stanchions about 5'-0" apart.

Particulars of Gangways, Lifelines, etc.:—

Lifelines fitted.

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ...			Open rails.			
Forward Well ...			Open rails.			
State position of each freeing port ... (After Well:— (F. and A. position and height above deck edge) Forward Well:—						
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—						
Additional area where sheer is less than standard.						

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.												
Description of Hatchway		FORE PENK	CHAIN LKE	Nº 1.	Nº 2.	Nº 3.	Nº 4.	Nº 5.	Nº 6.	COAL HATCHES	CASING TOP	ESCAPE FROM GUNNER'S ACCOMMODATION
Dimensions of Hatchway		4' x 3'	2' 0" x 2' 6"	31' 6" x 20'	31' x 20'	31' x 20'	12' 11" x 20'	31' x 20'	31' x 20'	15' 6" x 5'	5' 2" x 20'	2' 0" DIA
COAMINGS	Height above Deck	9' x 3 1/2"	31"	31"	31"	31"	31"	31"	31"	31"	9' x 3 1/2"	6"
	Thickness	1/4" B.A.	.45	.45	.44	.44	.44	.44	.44	.44	1/4" B.A.	EFFICIENT
	Stiffeners	SOLE ANGLE	7 x 3 x 40	8 x 3 x 44	8 x 3 x 44	7 x 3 x 40	8 x 3 x 44	8 x 3 x 44	8 x 3 x 44	7 x 3 x 40	✓	ESCAPE
	Brackets, Stays	✓	3	3	3	1	3	3	3	1	✓	SCUTTLE
HATCH BEAMS	Number	✓	5	5	5	1	5	5	5			
	Spacing	✓	5' 3"	5' 2"	5' 2"	6' 6"	5' 2"	5' 2"	5' 2"			
	Scantling and Sketch	✓	10 1/2" x 36	10 1/2" x 36	10 1/2" x 36	10 1/2" x 36	10 1/2" x 36	10 1/2" x 36	10 1/2" x 36			
	Bearing Surface	✓	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"			
FORE AND AFTERS	Number											
	Spacing											
	Unsupported Lengths											
	Scantling* and Sketch											
HATCH COVERS	Material	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	HINGED
	Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	STEEL W.T.
	How fitted	F&A	F&A	F&A	F&A	F&A	F&A	F&A	F&A	ATHWAY	F&A	ESCAPE
	Bearing Surface	2 1/2"	3	3	3	3	3	3	3	3	2 1/2"	SCUTTLE
Spacing of Cleats		24	24	24	24	24	24	24	24	24	24	FROM BOTH
Number of Tarpaulins		1	2	2	2	2	2	2	2	2	2	SIDES.
<p>*Are wood fore and afters steel shod at all bearing surfaces? <input checked="" type="checkbox"/></p> <p>Are battens and wedges efficient and in good condition? <input checked="" type="checkbox"/></p> <p>Are tarpaulins in good condition and in accordance with rule requirements? <input checked="" type="checkbox"/></p> <p>Are lashings provided in accordance with rule requirements? <input checked="" type="checkbox"/> YES (LOCKING BARS FITTED TO HATCHES 1, 2, 3, 4, 5 & 6).</p>												

Particulars of any special features:— Deeper loading endorsement will be required. ✓

The openings in the tween deck bulkheads are closed by riveted steel watertight plates, except those in bulkhead 87 which are closed by hinged steel watertight doors operated from both sides. ✓

Endorsement at first survey and at surveys for renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.